

though finely striate, the striae partially interrupted forming long granules. The teeth are substantially as in *A. mearnsi*.

Height 5, diam. 14.7 mm.;  $5\frac{1}{2}$  whorls.

By its acute keel and minutely roughened surface this form resembles *A. walkeri* Ferr. of the Florida range; but that is a smaller species with weaker sculpture, an adnate parietal callus and a simple parietal lamella. *A. kochi* Clapp of the S. Andraes range is larger, smoother, not acutely carinate, and has not a raised parietal callus.

All of the specimens are dead shells more or less bleached. The amount of granulation visible on these "bones" is variable, especially on the base. Doubtless living shells would show it more strongly, and possibly with cuticular scales. The surface is dull, not glossy as in living *A. mearnsi*. In one example some fine incised spiral lines can be made out on the base.

Type is 131409 A. N. S. P. Paratypes, 6 specimens, No. 131339.

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**MOLLUSCA FROM THE DREDGING OPERATIONS AT KEWALO HARBOR,  
HONOLULU, 1921.**

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BY CHARLES F. MANT.

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During several months of last year the Hawaiian Dredging Company was engaged in deepening the small harbor at Kewalo in order to accommodate the Japanese fishing fleet.

The dredged material was pumped through large iron pipes, and discharged upon a piece of waste ground, thus giving a good opportunity for the examination of the molluscan life of this part of the bay.

As often as possible visits were paid to the scene of operations, and many thousands of shells, mainly in a "dead" condition, secured, amongst them species that are rarely if ever found by the ordinary means of collecting, and others that were new to science.

It was quite amusing to notice how that, when one appeared

the men, women, and children busy collecting shells, bits of coral, &c. would pass the word around, "Here comes the shell man", and they would crowd up with buckets, tins, and tobacco boxes containing their "finds," and a selection would be made for which a small consideration would be given, both parties being quite satisfied. Some of the people were set to collecting the many minute shells to be found amongst the piles of coral sand, rock, and debris, and in this way a number of most interesting species were discovered.

Over 150 species of mollusca were collected, and Professor Dall of the National Museum has most kindly examined and named many of them.

The following is a list of species gathered by the writer, and from this a good idea of the molluscan life in a limited area of these waters can be obtained.

<i>Alaemocyna thaanumi</i> Dall.	<i>hebraeus</i> L.
<i>Alcyna kapiolaniae</i> Pils.	<i>lividus</i> Hwass.
<i>rubra</i> Pse.	<i>marmoreus</i> L.
<i>rubra multicolor</i> Dall.	<i>nussatella</i> L.
<i>Alectrion hirta</i> Kien.	<i>omaria</i> Hwass.
<i>ravida</i> A. Ads.	<i>generalis</i> L.
<i>Atys cornuta</i> Pils.	<i>pulicarius</i> Hwass.
<i>Biforina cingulifera</i> Hds.	<i>quercinus</i> Hwass.
<i>corrugata</i> Hds.	<i>striatus</i> L.
<i>decorata</i> Pse.	<i>textile</i> L.
<i>flammulata</i> Pse.	<i>Coralliophila neritoides</i> Lam.
<i>Bittium boeticum</i> Pils. & Van.	<i>Cylichna anagogia</i> Dall.
<i>boeticum unilineatum</i> Pse.	<i>Cymatium pilearis</i> L.
<i>Cassis vibex</i> L.	<i>bracteatus</i> Hds.
<i>Cerithium obeliscus</i> Brug.	<i>obscurus</i> .
<i>lacteum</i> Kien.	<i>tuberosus</i> Lam.
<i>Columbella (Alia) moleculina</i>	<i>Cymatosyrinx mighelsi</i> Dall.
Duclos.	<i>Cypraea caputserpentis</i> L.
<i>orpha</i> Duclos.	<i>carneola</i> L.
<i>urania</i> Duclos.	<i>circicula</i> v. <i>tricornis</i> Jous.
<i>varians</i> Sowb.	<i>helvola</i> L.
<i>Conus abbreviatus</i> Nutt.	<i>isabella</i> L.
<i>catus</i> Hwass.	<i>madagascariensis</i> Gm.

- peasei* Sowb.  
*reticulata* Mart.  
*semiplota*.  
*sulcidentata* Gray.  
*talpa* L.  
*tessellata* Swain.  
*Daphneila sandwichensis* Pse.  
*Daphnobela manti* n. sp.  
*Dibaphus edentulus* Swain.  
*Drupa morus* Lam.  
     *ricinus* L.  
     *tuberculatus* Blainv.  
*Engina idosia* Duclos.  
*Erato sandwichensis* Pse.  
*Iopas sertum* Brug.  
*Liocerithium thaanumi* Pils. & Van.  
*Liotia ednae* Dall.  
*Marginella acaria* Dall.  
*Melanella acicula* Gld.  
     *opaca* Sby.  
     *pusilla* Sby.  
*Minolia striatula* Garrett  
*Mitra astrica* Rve.  
     *aurantia* Gm.  
     *auriculoides* Rve.  
     *consanguinea* Rve.  
     *cophina* Gld.  
     *coronata* Lam.  
     *ferruginea* Lam.  
     *flavescens* Rve.  
     *fulva* Swain.  
     *lamarecki*.  
     *lienardi*.  
     *lipara* Dall.  
     *litterata* Lam.  
     *lugubre* Swain.  
     *mitata?* Dall.  
     *ostergaardi* n. sp.  
     *peasei* Sby.  
     *kewaloensis* Dall.  
     *tabanula* Lam.  
     *thaanumi* n. sp.  
     *ticaonica vagans* n. sp.  
     *tuberosa* Rve.  
     *tusa* Rve.  
*Mitromorpha hawaiiense* Dall.  
*Morula ochrostoma* Blainv.  
     *porphyrostoma* Rve.  
*Natica marochiensis*.  
*Niso diomedae* Dall.  
*Oliva sandwichensis*.  
*Otopleura diminuta* Dall.  
*Peristernia chlorostoma* Sby.  
     *cf. newcombi* A. Ads.  
     *marmorata*.  
     *xanthostigmata* Dall.  
*Philbertia luteola* Dall.  
     *laysanensis* Dall.  
     *mighelsi* Iredale.  
*Planaxis labiosus* A. Ads.  
*Polynices mamilla* L.  
*Pupa alveola* Souv.  
*Pyramidella oahuensis* Dall.  
     *sulcata* A? Ads.  
*Ranella (Aspella) ancepts* Lam.  
     *pusilla* Brod.  
*Rhizocheilus madreporarum*  
     Sby.  
*Rissoina ambigua* Gld.  
     *miltozona* Tomlin.  
     *tridentata* Mich.  
     *stearnsi* Dall.  
*Subulina metcalfei* A. Ads.

<i>Strombus maculatus</i> Nutt.	<i>nodulare</i> Desh.
<i>maculatus</i> var.	<i>pertusa</i> Born.
<i>samar</i> Dillw.	<i>straminea</i> Gray.
<i>Terebra albula</i> Mke.	<i>Theridium nassoide</i> Sby.
<i>clappi</i> Pils.	<i>Trifora</i> ( <i>Biforina</i> ) <i>cingulifera</i>
<i>crenulata</i> L.	Pse.
<i>dislocata</i> Say.	<i>Trochus sandwichensis</i> .
<i>inconstans</i> Hds.	<i>Turbo intercostalis</i> Mke.
<i>lanceata oahuensis</i> n. sp.	<i>Turris brevicaudata</i> Rve.
<i>langfordi</i> Pils.	<i>brevicaudata</i> var.
<i>lauta</i> Pse.	<i>Vexilla turben kanaka</i> Pils.
<i>maculata</i> L.	<i>vexillum</i> Chemn.

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A NEW ANODONTOIDES FROM WISCONSIN.

BY FRANK COLLINS BAKER.\*

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*ANODONTOIDES BIRGEI*, new species.

Shell rather solid, elongated, cylindrical, inequilateral, inflated; anterior end broadly rounded, posterior end pointed, distinctly biangulate; ventral margin straight or somewhat concave; dorsal margin straight, forming an angle with the posterior end; dorsal margin developing a small but well-marked wing; beaks raised about the hinge line, swollen; beak sculpture as in *A. ferussacianus* but finer, with the bars close together and with a tendency to become double-looped; posterior ridge sharply rounded, very distinct, with a postero-dorsal excavated area; the shell is greatly inflated anterior to this ridge; epidermis yellowish-horn or olive, the rest periods showing as brown concentric bands; surface rayless; hinge edentulous, but reinforced beneath the beaks by swellings representing rudimentary pseudocardinal teeth; the shell beneath the ligament is also thickened; beak cavity shallow; muscle scars faintly impressed; nacre bluish-white, silvery, tinged with salmon or pinkish,

\* Contribution from the Museum of Natural History, University of Illinois, No. 27.